

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits    | Search Query                                                                                                                       | DBs                | Default Operator | Plurals | Time Stamp          |
|-------|---------|------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------|---------|---------------------|
| L5    | 25      | "5974324"                                                                                                                          | US-PGPUB;<br>USPAT | OR               | ON      | 2009/12/03<br>11:57 |
| L12   | 565     | channel near status<br>near information                                                                                            | US-PGPUB;<br>USPAT | OR               | ON      | 2009/12/03<br>13:36 |
| L13   | 286     | frequency adj channel<br>adj assignment                                                                                            | US-PGPUB;<br>USPAT | OR               | ON      | 2009/12/03<br>13:36 |
| L14   | 24      | 12 and 13                                                                                                                          | US-PGPUB;<br>USPAT | OR               | ON      | 2009/12/03<br>13:37 |
| L15   | 6105909 | (@ad< "20070413")                                                                                                                  | US-PGPUB;<br>USPAT | OR               | ON      | 2009/12/03<br>13:37 |
| L16   | 24      | 14 and 15                                                                                                                          | US-PGPUB;<br>USPAT | OR               | ON      | 2009/12/03<br>13:37 |
| L17   | 4692426 | (@ad< "20040305")                                                                                                                  | US-PGPUB;<br>USPAT | OR               | ON      | 2009/12/03<br>13:37 |
| L18   | 19      | 14 and 17                                                                                                                          | US-PGPUB;<br>USPAT | OR               | ON      | 2009/12/03<br>13:38 |
| L19   | 210     | 13 and 17                                                                                                                          | US-PGPUB;<br>USPAT | OR               | ON      | 2009/12/03<br>13:39 |
| L20   | 63      | 13 and 17 and<br>(frequency adj reuse)                                                                                             | US-PGPUB;<br>USPAT | OR               | ON      | 2009/12/03<br>13:39 |
| L21   | 55      | 13 and 17 and<br>(frequency adj reuse)<br>and ((base adj station)<br>or (node adj b) or<br>(basestation) or<br>(access adj point)) | US-PGPUB;<br>USPAT | OR               | ON      | 2009/12/03<br>13:40 |

|     |    |                                                                                                                                                       |                 |    |    |                  |
|-----|----|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----|----|------------------|
| L22 | 0  | 13 and 17 and (frequency adj reuse) and ( ((base adj station) or (node adj b) or (basestation) or (access adj point)) near assignment near frequency) | US-PGPUB; USPAT | OR | ON | 2009/12/03 13:41 |
| L23 | 17 | 13 and 17 and (frequency adj reuse) and ( ((base adj station) or (node adj b) or (basestation) or (access adj point)) near frequency)                 | US-PGPUB; USPAT | OR | ON | 2009/12/03 13:41 |
| L24 | 10 | (channel near status near information) and (frequency near reuse)                                                                                     | US-PGPUB; USPAT | OR | ON | 2009/12/03 13:44 |
| L25 | 0  | 17 and 24                                                                                                                                             | US-PGPUB; USPAT | OR | ON | 2009/12/03 13:45 |
| S1  | 1  | "10591244"                                                                                                                                            | US-PGPUB; USPAT | OR | ON | 2009/10/08 09:09 |
| S2  | 6  | "6650655"                                                                                                                                             | US-PGPUB; USPAT | OR | ON | 2009/10/08 09:32 |
| S3  | 3  | (hamamoto near kozue).in.                                                                                                                             | US-PGPUB; USPAT | OR | ON | 2009/10/25 12:41 |
| S4  | 0  | (hamamoto near kozue).in. near (frequency near channel near assignment)                                                                               | US-PGPUB; USPAT | OR | ON | 2009/10/25 12:41 |
| S5  | 3  | (hamamoto near kozue).in. and (frequency near channel near assignment )                                                                               | US-PGPUB; USPAT | OR | ON | 2009/10/25 12:43 |
| S6  | 1  | (hamamoto near kozue).in. and (frequency near channel near assignment ) and controller and (channel near status)                                      | US-PGPUB; USPAT | OR | ON | 2009/10/25 12:43 |

|     |      |                                                                                    |                        |    |    |                     |
|-----|------|------------------------------------------------------------------------------------|------------------------|----|----|---------------------|
| S7  | 1    | (fukumoto near satoru).<br>in. and (frequency<br>near channel near<br>assignment ) | US-<br>PGPUB;<br>USPAT | OR | ON | 2009/10/25<br>12:58 |
| S8  | 3    | (yoshino near hitoshi).<br>in. and (frequency<br>near channel near<br>assignment ) | US-<br>PGPUB;<br>USPAT | OR | ON | 2009/10/25<br>12:58 |
| S9  | 6    | "6650655"                                                                          | US-<br>PGPUB;<br>USPAT | OR | ON | 2009/10/25<br>12:58 |
| S10 | 4022 | 370/329.ccls.                                                                      | US-<br>PGPUB;<br>USPAT | OR | ON | 2009/10/25<br>13:28 |
| S11 | 284  | frequency adj channel<br>adj assignment                                            | US-<br>PGPUB;<br>USPAT | OR | ON | 2009/10/25<br>13:28 |
| S12 | 18   | S10 and S11                                                                        | US-<br>PGPUB;<br>USPAT | OR | ON | 2009/10/25<br>13:28 |
| S13 | 108  | S10 and 370/330.ccls.                                                              | US-<br>PGPUB;<br>USPAT | OR | ON | 2009/10/25<br>13:32 |
| S14 | 4646 | S10 or 370/330.ccls.                                                               | US-<br>PGPUB;<br>USPAT | OR | ON | 2009/10/25<br>13:32 |
| S15 | 4022 | S14 and S10                                                                        | US-<br>PGPUB;<br>USPAT | OR | ON | 2009/10/25<br>13:33 |
| S16 | 33   | S14 and S11                                                                        | US-<br>PGPUB;<br>USPAT | OR | ON | 2009/10/25<br>13:33 |
| S17 | 33   | S14 and S11 and<br>(frequency adj channel<br>\$)                                   | US-<br>PGPUB;<br>USPAT | OR | ON | 2009/10/25<br>13:35 |
| S18 | 2    | S14 and S11 and<br>(frequency adj channel<br>\$) near assign                       | US-<br>PGPUB;<br>USPAT | OR | ON | 2009/10/25<br>13:35 |
| S19 | 33   | S14 and S11                                                                        | US-<br>PGPUB;<br>USPAT | OR | ON | 2009/10/25<br>13:37 |
| S20 | 1113 | common near<br>frequency near band                                                 | US-<br>PGPUB;<br>USPAT | OR | ON | 2009/10/25<br>13:37 |
| S21 | 2    | S19 and S20                                                                        | US-<br>PGPUB;<br>USPAT | OR | ON | 2009/10/25<br>13:37 |

|     |       |                                                                   |                    |    |    |                     |
|-----|-------|-------------------------------------------------------------------|--------------------|----|----|---------------------|
| S22 | 23    | S19 and controller                                                | US-PGPUB;<br>USPAT | OR | ON | 2009/10/25<br>13:41 |
| S23 | 12    | S19 and controller and<br>(management near<br>function)           | US-PGPUB;<br>USPAT | OR | ON | 2009/10/25<br>13:41 |
| S24 | 785   | 455/457.ccls.                                                     | US-PGPUB;<br>USPAT | OR | ON | 2009/12/02<br>08:30 |
| S25 | 494   | freq\$7 near channel<br>near assignment                           | US-PGPUB;<br>USPAT | OR | ON | 2009/12/02<br>08:30 |
| S26 | 3     | S24 and S25                                                       | US-PGPUB;<br>USPAT | OR | ON | 2009/12/02<br>08:31 |
| S27 | 431   | 455/457.ccls. and<br>frequency                                    | US-PGPUB;<br>USPAT | OR | ON | 2009/12/02<br>08:33 |
| S28 | 1     | 455/457.ccls. and<br>frequency and<br>assignment near<br>function | US-PGPUB;<br>USPAT | OR | ON | 2009/12/02<br>08:33 |
| S29 | 31    | 455/457.ccls. and<br>frequency and fdma                           | US-PGPUB;<br>USPAT | OR | ON | 2009/12/02<br>08:34 |
| S30 | 11    | 455/457.ccls. and<br>frequency near reuse                         | US-PGPUB;<br>USPAT | OR | ON | 2009/12/02<br>08:37 |
| S31 | 493   | frequency near channel<br>near assignment                         | US-PGPUB;<br>USPAT | OR | ON | 2009/12/02<br>08:43 |
| S32 | 1132  | common near<br>frequency near band                                | US-PGPUB;<br>USPAT | OR | ON | 2009/12/02<br>08:43 |
| S33 | 15725 | radio near<br>communication near<br>systems                       | US-PGPUB;<br>USPAT | OR | ON | 2009/12/02<br>08:44 |
| S34 | 21    | S32 same S33                                                      | US-PGPUB;<br>USPAT | OR | ON | 2009/12/02<br>08:44 |
| S35 | 1     | S31 and S34                                                       | US-PGPUB;<br>USPAT | OR | ON | 2009/12/02<br>08:44 |
| S36 | 6     | "6650655"                                                         | US-PGPUB;<br>USPAT | OR | ON | 2009/12/02<br>08:49 |

|     |         |                                                                                                                                   |                        |    |    |                     |
|-----|---------|-----------------------------------------------------------------------------------------------------------------------------------|------------------------|----|----|---------------------|
| S37 | 2       | base adj station adj<br>assignment adj<br>frequency                                                                               | US-<br>PGPUB;<br>USPAT | OR | ON | 2009/12/02<br>10:04 |
| S38 | 8766    | channel adj<br>assignment                                                                                                         | US-<br>PGPUB;<br>USPAT | OR | ON | 2009/12/02<br>10:24 |
| S39 | 2070857 | (quality of service) or<br>qos                                                                                                    | US-<br>PGPUB;<br>USPAT | OR | ON | 2009/12/02<br>10:24 |
| S40 | 6735    | (frequency near reuse)<br>or (frequency near<br>utilization)                                                                      | US-<br>PGPUB;<br>USPAT | OR | ON | 2009/12/02<br>10:25 |
| S41 | 945     | S38 and S39 and S40                                                                                                               | US-<br>PGPUB;<br>USPAT | OR | ON | 2009/12/02<br>10:25 |
| S42 | 881     | (@ad< "20070413")<br>and S38 and S39 and<br>S40                                                                                   | US-<br>PGPUB;<br>USPAT | OR | ON | 2009/12/02<br>10:26 |
| S43 | 55554   | (quality near service)<br>or qos                                                                                                  | US-<br>PGPUB;<br>USPAT | OR | ON | 2009/12/02<br>10:29 |
| S44 | 276     | (@ad< "20070413")<br>and S38 and S43 and<br>S40                                                                                   | US-<br>PGPUB;<br>USPAT | OR | ON | 2009/12/02<br>10:29 |
| S45 | 185     | (@ad< "20070413")<br>and S38 and S43 and<br>S40 and controller                                                                    | US-<br>PGPUB;<br>USPAT | OR | ON | 2009/12/02<br>10:40 |
| S47 | 26      | "5974324"<br>"20060014543"                                                                                                        | US-<br>PGPUB;<br>USPAT | OR | ON | 2009/12/02<br>13:45 |
| S48 | 3       | (hamamoto near<br>kozue).in.                                                                                                      | US-<br>PGPUB;<br>USPAT | OR | ON | 2009/12/02<br>14:09 |
| S49 | 3       | (hamamoto near<br>kozue).in. and<br>(frequency adj channel<br>adj assignment)                                                     | US-<br>PGPUB;<br>USPAT | OR | ON | 2009/12/02<br>14:10 |
| S50 | 3       | (hamamoto near<br>kozue).in. and<br>(frequency adj channel<br>adj assignment) and<br>(radio adj<br>communications adj<br>systems) | US-<br>PGPUB;<br>USPAT | OR | ON | 2009/12/02<br>14:10 |

|     |   |                                                                                                                                                          |                 |    |    |                  |
|-----|---|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----|----|------------------|
| S51 | 1 | (hamamoto near kozue).in. and (frequency adj channel adj assignment) and (radio adj communications adj systems) and (common adj frequency adj band)      | US-PGPUB; USPAT | OR | ON | 2009/12/02 14:11 |
| S52 | 1 | (hamamoto near kozue).in. and (frequency adj channel adj assignment) and (radio adj communications adj systems) and (common adj frequency)               | US-PGPUB; USPAT | OR | ON | 2009/12/02 14:11 |
| S53 | 3 | (hamamoto near kozue).in. and (frequency adj channel adj assignment) and (radio adj communications adj systems) and ( frequency)                         | US-PGPUB; USPAT | OR | ON | 2009/12/02 14:11 |
| S54 | 2 | (hamamoto near kozue).in. and (frequency adj channel adj assignment) and (radio adj communications adj systems) and ( frequency) and function            | US-PGPUB; USPAT | OR | ON | 2009/12/02 14:11 |
| S55 | 2 | (hamamoto near kozue).in. and (frequency adj channel adj assignment) and (radio adj communications adj systems) and ( frequency) and function and assign | US-PGPUB; USPAT | OR | ON | 2009/12/02 14:12 |

|     |       |                                                                                                                                                                                                    |                 |    |    |                  |
|-----|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----|----|------------------|
| S56 | 1     | (hamamoto near kozue).in. and (frequency adj channel adj assignment) and (radio adj communications adj systems) and ( frequency) and function and assign and (status near (frequency adj channel)) | US-PGPUB; USPAT | OR | ON | 2009/12/02 14:12 |
| S57 | 1     | (satoru near fukumoto). in. and (frequency adj channel adj assignment) and (radio adj communications adj systems) and ( frequency)                                                                 | US-PGPUB; USPAT | OR | ON | 2009/12/02 14:20 |
| S58 | 3     | (hitoshi near yoshino). in. and (frequency adj channel adj assignment) and (radio adj communications adj systems) and ( frequency)                                                                 | US-PGPUB; USPAT | OR | ON | 2009/12/02 14:20 |
| S59 | 8779  | channel adj assignment                                                                                                                                                                             | US-PGPUB; USPAT | OR | ON | 2009/12/03 08:04 |
| S60 | 6749  | (frequency near reuse) or (frequency near utilization)                                                                                                                                             | US-PGPUB; USPAT | OR | ON | 2009/12/03 08:04 |
| S61 | 55695 | (quality near service) or qos                                                                                                                                                                      | US-PGPUB; USPAT | OR | ON | 2009/12/03 08:04 |
| S62 | 200   | (@ad< "20040305") and S59 and S61 and S60                                                                                                                                                          | US-PGPUB; USPAT | OR | ON | 2009/12/03 08:04 |
| S63 | 168   | (@ad< "20040305") and S59 and S61 and S60 and controll\$5                                                                                                                                          | US-PGPUB; USPAT | OR | ON | 2009/12/03 08:06 |
| S64 | 87    | "6892068"                                                                                                                                                                                          | US-PGPUB; USPAT | OR | ON | 2009/12/03 08:57 |

12/ 3/ 2009 3:29:41 PM

C:\ Documents and Settings\ nsivji1\ My Documents\ EAST\ Workspaces\ 10591244.wsp